

AMENDMENTS TO THE CLAIMS

In the Claims:

Please cancel Claim 5 without prejudice. Please amend Claims 1-4 and 6-10.

Please add new Claims 11-21. A complete copy of the claims including marked-up versions of each claim that is amended in this Amendment appears below.

1 1. (Original) A wireless data exchange system comprising:
2 an electronically operated ~~appliance including~~ fluid dispensing device comprising:
3 ~~a transmitter, a receiver, and~~ a transmitter;
4 a receiver; and
5 a control module configured to communicate with ~~the~~ said transmitter and
6 ~~the~~ said receiver, ~~the~~ said control module being configured to provide a primary
7 mode of operation in which the single electrically operated fluid dispensing system
8 is operable and a secondary mode of operation in which the single electrically
9 operated fluid dispensing system is not operable and including control logic
10 configured to selectively change the mode of operation of the single electronically
11 operated ~~appliance~~ fluid dispensing device; and
12 a communication device adapted to be held in the hand of a user and configured to
13 cooperate with ~~the~~ said transmitter and ~~the~~ said receiver to receive data wirelessly from
14 said control logic regarding the operation of the single electrically operated fluid

15 dispensing device and to impart instructions wirelessly to the said control logic to change
16 the mode of operation of the electronically operated ~~appliance~~ fluid dispensing device
17 upon receipt of a command from a user which changes said mode of operation of said
18 control module from said primary mode of operation to said secondary ode of operation.

1 2. (Currently Amended) ~~The~~ A wireless data exchange system of claim as defined in
2 Claim 1, wherein ~~the~~ said receiver comprises a first receiver and a second receiver, and
3 wherein said primary mode of operation comprises a sensing mode and said secondary
4 mode of operation comprises a communication mode, ~~the~~ said first receiver being
5 configured to operate in the said sensing mode and ~~the~~ said second receiver being
6 configured to operate in the said communication mode.

1 3. (Currently Amended) ~~The~~ A wireless data exchange system of claim as defined in
2 Claim 1, wherein ~~the~~ said transmitter comprises an active infrared emitter configured to
3 selectively emit sensing signals capable of being received by the said receiver and
4 communication signals capable of being received by said communication device.

1 4. (Currently Amended) ~~The~~ A wireless data exchange system of claim as defined in
2 Claim 3, wherein ~~the~~ said receiver comprises an infrared detector capable of detecting a
3 communication signal and a sensing signal.

1 5. (Cancelled)

1 6. (Currently Amended) ~~The~~ A wireless data exchange system of claim as defined in
2 Claim 1, wherein said communication device includes a communication receiver and a
3 microprocessor, and wherein ~~the~~ said communication receiver and ~~the~~ said
4 microprocessor cooperate to receive signals from ~~said~~ the single electronically operated
5 ~~appliance~~ fluid dispensing device, identify the single electronically operated ~~appliance~~
6 fluid dispensing device and determine the operating status of the single electronically
7 operated ~~appliance~~ fluid dispensing device.

1 7. (Currently Amended) ~~The~~ A wireless data exchange system of claim as defined in
2 Claim 6, wherein said communication device further includes an emitter that
3 communicates with ~~the~~ said microprocessor to transmit signals to the single electronically
4 operated ~~appliance~~ fluid dispensing device in response to signals received from ~~said~~ the
5 single electronically operated ~~appliance~~ fluid dispensing device, the transmitted signals
6 including instructions that change the operating parameters of ~~said~~ the single
7 electronically operated ~~appliance~~ fluid dispensing device.

1 8. (Currently Amended) A method of exchanging data wirelessly between an
2 ~~apparatus~~ a fluid dispensing device and a communication device, said method comprising
3 the steps of:

4 sending a wireless signal from a handheld communication device to an
5 electronically operated ~~appliance~~ fluid dispensing device operating in a primary mode of
6 operation in which the electrically operated fluid dispensing system is operable;

7 changing the mode of operation of the electronically operated ~~appliance~~ fluid
8 dispensing device from a said primary mode of operation to a secondary mode of
9 operation in which the electrically operated fluid dispensing system is not operable in
10 response to said sending step; and

11 establishing a two-way wireless communication link for the exchange of data
12 between the said handheld device and the electronically operated ~~appliance~~ fluid
13 dispensing device while the electronically operated ~~appliance~~ fluid dispensing device is in
14 the said secondary mode of operation.

1 9. (Currently Amended) The A method of claim as defined in Claim 8, wherein said
2 handheld communication device includes a display screen, said method further
3 comprising the step of displaying the operating status of the electronically operated
4 ~~appliance~~ fluid dispensing device on the said display screen.

1 10. (Currently Amended) The A method of claim as defined in Claim 9 further
2 comprising the step of transmitting an infrared signal from the said handheld
3 communication device to the electronically operated ~~appliance~~ fluid dispensing device in

response to the said displaying step in order to change the operating parameters of the electronically operated ~~appliance~~ fluid dispensing device.

11. (New) A wireless data exchange system for use in an electrically operated fluid dispensing system, said comprising:

a transmitter which is associated with a single electrically operated fluid dispensing system;

a receiver which is associated with the single electrically operated fluid dispensing system;

a control module which is associated with the single electrically operated fluid dispensing system and which is operatively connected to communicate with said transmitter and said receiver, said control module being configured to provide a primary mode of operation in which the single electrically operated fluid dispensing system is operable and a secondary mode of operation in which the single electrically operated fluid dispensing system is not operable, said control module including control logic configured to selectively change the mode of operation of the single electronically operated fluid dispensing device; and

a communication device adapted to be held in the hand of a user and configured to cooperate with said transmitter and said receiver, said communication device communicating with said control module to cause said control module to switch from said

18 primary mode of operation to said secondary mode of operation, wherein said
19 communications device receives data wirelessly from said control logic regarding the
20 operation of the single electrically operated fluid dispensing device and imparts
21 instructions wirelessly to said control logic to change the mode of operation of the single
22 electronically operated fluid dispensing device as commanded by a user when said control
23 module is in said secondary mode of operation.

1 12. (New) A wireless data exchange system as defined in Claim 11, wherein said
2 receiver comprises:
3 a first receiver; and
4 a second receiver, wherein said primary mode of operation comprises a sensing
5 mode and said secondary mode of operation comprises a communication mode, said first
6 receiver being configured to operate in said sensing mode and said second receiver being
7 configured to operate in said communication mode.

1 13. (New) A wireless data exchange system as defined in Claim 11, wherein said
2 transmitter comprises:
3 an active infrared emitter configured to selectively emit sensing signals capable of
4 being received by said receiver and communication signals capable of being received by
5 said communication device.

1 14. (New) A wireless data exchange system as defined in Claim 13, wherein said
2 receiver comprises:
3 an infrared detector capable of detecting a communication signal and a sensing
4 signal.

1 15. (New) A wireless data exchange system as defined in Claim 11, wherein said
2 communication device comprises:
3 a communication receiver; and
4 a microprocessor, wherein said communication receiver and said microprocessor
5 cooperate to receive signals from the single electronically operated fluid dispensing
6 device, identify the single electronically operated fluid dispensing device and determine
7 the operating status of the single electronically operated fluid dispensing device.

1 16. (New) A wireless data exchange system as defined in Claim 15, wherein said
2 communication device further comprises:
3 an emitter that communicates with said microprocessor to transmit signals to the
4 single electronically operated fluid dispensing device in response to signals received from
5 the single electronically operated fluid dispensing device, the transmitted signals
6 including instructions that change the operating parameters of the single electronically
7 operated fluid dispensing device.

1 17. (New) A wireless data exchange system as defined in Claim 11, additionally
2 comprising:

3 a timer which begins timing a fixed period whenever said control module switches
4 from said primary mode of operation to said secondary mode of operation, said timer
5 causing said control module to switch from said secondary mode of operation to said
6 primary mode of operation when said timer reaches the end of said fixed period.

1 18. (New) A wireless data exchange system as defined in Claim 17, wherein said
2 control module is adapted to cause fluid to flow from the single electrically operated fluid
3 dispensing device in response to an object in sufficiently close proximity to said receiver
4 reflecting a signal from said transmitter to said receiver.

1 19. (New) A wireless data exchange system as defined in Claim 18, wherein said
2 communication device is adapted to allow the period of time that fluid will flow from the
3 single electrically operated fluid dispensing device following detection of an object in
4 proximity to said receiver.

1 20. (New) A wireless data exchange system as defined in Claim 11, additionally
2 comprising:

3 a computer connected to the Internet, wherein said communication device is
4 adapted for connection to said computer to provide operational information regarding the

single electronically operated fluid dispensing device which operational information is transmitted on the Internet; and
a server also connected to the Internet, said server receiving said operational information and storing it in a database.

21. (New) A wireless data exchange system as defined in Claim 11, additionally comprising:

a second transmitter which is associated with a second single electrically operated fluid dispensing system;

a second receiver which is associated with the second single electrically operated fluid dispensing system; and

a second control module which is associated with the second single electrically operated fluid dispensing system and which is operatively connected to communicate with said second transmitter and said second receiver, said second control module being configured to provide a primary mode of operation in which the second single electrically operated fluid dispensing system is operable and a secondary mode of operation in which the second single electrically operated fluid dispensing system is not operable, said second control module including second control logic configured to selectively change the mode of operation of the second single electronically operated fluid dispensing device;

16 wherein said communication device can communicate with said second control module to
17 cause said second control module to switch from said primary mode of operation to said
18 secondary mode of operation, wherein said communications device receives data
19 wirelessly from said second control logic regarding the operation of the second single
20 electrically operated fluid dispensing device and imparts instructions wirelessly to said
21 second control logic to change the mode of operation of the second single electronically
22 operated fluid dispensing device as commanded by a user when said second control
23 module is in said secondary mode of operation.